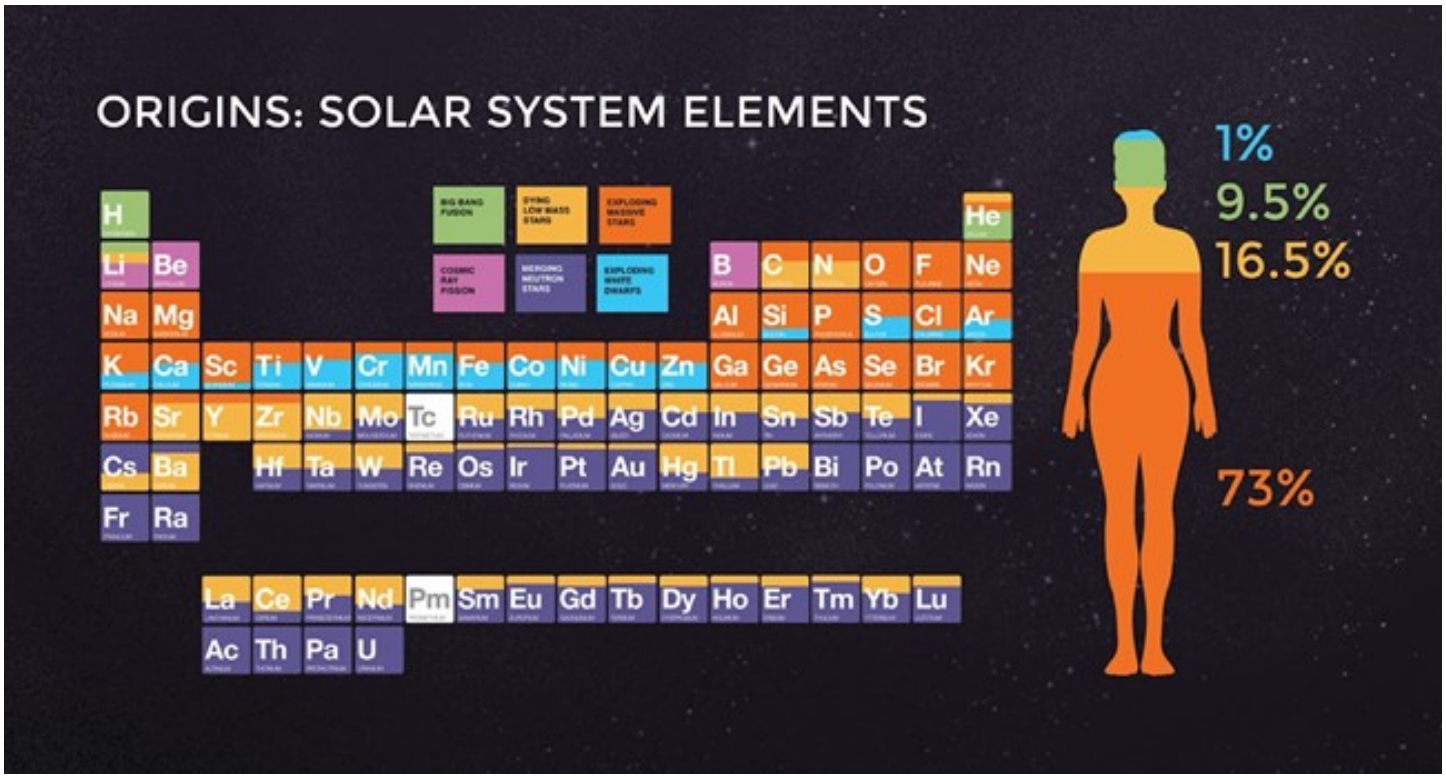
My NASA Data - Interactive Models

What Elements are in Your Body?



Teachers who are interested in receiving the answer key, please complete the Teacher Key Request and Verification Form. We verify that requestors are teachers prior to sending access to the answer keys as we've had many students try to pass as teachers to gain access.

This product is supported by the NASA Heliophysics Education Activation Team (NASA HEAT), part of NASA's Science Activation portfolio.

Grade Band

- 6-8
- 9-12

Supported NGSS Performance Expectations

- MS-ESS2-1: Develop a model to describe the cycling of Earth's materials and the flow of energy that drives this process.
- MS-PS4-2: Develop and use a model to describe that waves are reflected, absorbed, or transmitted through various materials.
- HS-ESS1-1: Develop a model based on evidence to illustrate the life span of the Sun and the role of nuclear fusion in the Sun’s core to release energy that eventually reaches Earth in the form of radiation.
- HS-ESS1-2: Construct an explanation of the Big Bang theory based on astronomical evidence of light spectra, motion of distant galaxies, and composition of matter in the universe.
- HS-ESS1-3: Communicate scientific ideas about the way stars, over their life cycle, produce elements.
- HS-PS1-1: Use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms.

NGSS Disciplinary Core Ideas

- PS1A: Structure and Properties of Matter
- PS1C: Nuclear Processes
- ESS1A: The Universe and its Stars
- ESS1B: Earth and the Solar System
- ESS2A: Earth Materials and Systems

Science and Engineering Practices

- Developing and Using Models

Crosscutting Concepts

- Scale, Proportion, and Quantity
- Systems and System Models

Related Resources

- GLOBE Program - GLOBE Observer Tool Eclipse Observations
- NASA Heliophysics Education Activation Team (NASA HEAT)